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1 [Analysis of a campus-wide wireless network](#)

David Kotz, Kobby Essien

January 2005 **Wireless Networks**, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available: Pdf (829.94 KB)

[Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 214, Citations

Understanding usage patterns in wireless local-area networks (WLANs) develop, deploy, and manage WLAN technology, as well as those who develop application software for wireless networks. This paper presents results .

Keywords: 802.11, WLAN, Wi-Fi, wireless network, workload character

2 [Real-time decompression and visualization of animated volume data](#)

Stefan Guthe, Wolfgang Straßer

October 2001 **VIS '01: Proceedings of the conference on Visualization '01**

Publisher: IEEE Computer Society

Full text available: [Publisher Site](#), Pdf (1.52 MB) [Additional Information: full citation, index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 34, Citations

Interactive exploration of animated volume data is required by many applications. This paper presents a visualization of animated volumes by now. In this paper we introduce ..

Keywords: compression for visualization, time critical visualization, volume

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3 [Bioinformatics—an introduction for computer scientists](#)

Jacques Cohen

June 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 2

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (261.56 KB)

[Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 146, Downloads (12 Months): 1219, Citations

The article aims to introduce computer scientists to the new field of bioinformatics, arising from the needs of biologists to utilize and help interpret the vast amount of data being gathered in genomic research---and ...

Keywords: DNA, Molecular cell biology, RNA and protein structure, alignment, modeling, computer, dynamic programming, hidden-Markov-models, motifs, sequences, phylogenetic trees

4 Enhancing location privacy in wireless LAN through disposable interface identifiers



Marco Gruteser, Dirk Grunwald

September 2003 **WMASH '03**: Proceedings of the 1st ACM international workshop on mobile applications and services on WLAN hotspots

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (410.84 KB)

[Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 37, Citations: 1

The recent proliferation of wireless local area networks (WLAN) has introduced new risks. A adversary controlling several access points could triangulate a user's location. In addition, interface identifiers uniquely identify ...

Keywords: interface identifiers, location privacy, wireless LAN

5 Optimizing memory transactions



Tim Harris, Mark Plesko, Avraham Shinnar, David Tarditi

June 2006 **PLDI '06**: Proceedings of the 2006 ACM SIGPLAN conference on programming language design and implementation

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (235.79 KB)

[Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 189, Citations: 1

Atomic blocks allow programmers to delimit sections of code as 'atomic' blocks to enforce atomicity. Existing work has shown how to implement atomicity over *word-based transactional memory* that provides scalable ...

Keywords: atomicity, critical regions, transactional memory

Also published in:

June 2006 **SIGPLAN Notices** Volume 41 Issue 6

6 SenseWeb: collaborative image classification in a multi-user interactive environment



Roberto Lopez-Gulliver, Hiroko Tochigi, Tomohiro Sato, Masami Suzuki, Nozomu Imai

October 2004 **MULTIMEDIA '04**: Proceedings of the 12th annual ACM international conference on Multimedia

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (213.98 KB)


[Additional Information: full citation, abstract, ref](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 34, Citations: 1

The SenseWeb system is a multi-user interactive information environment sharing of experiences and collaboration among multiple users allowing interact with digital multimedia elements by using their bare ...

Keywords: collaborative interaction, large screen display, multi-user, t

7 Phase tracking and prediction

 Timothy Sherwood, Suleyman Sair, Brad Calder
June 2003 **ISCA '03**: Proceedings of the 30th annual international symposium on computer architecture

Publisher: ACM

Full text available:  Pdf (674.18 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)


Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 71, Citation

In a single second a modern processor can execute billions of instructions. The view of the behavior of a program at these speeds can be a difficult task. This is cycle by cycle examination. In many programs, behavior ...


Also published in:

May 2003 **SIGARCH Computer Architecture News** Volume 31 Issue 2

8 Loosely time-triggered architectures based on communication-by-sa

 Albert Benveniste, Paul Caspi, Marco di Natale, Claudio Pinello, Alberto Saravali, Stavros Tripakis
September 2007 **EMSOFT '07**: Proceedings of the 7th ACM & IEEE international symposium on embedded software

Publisher: ACM


Full text available:  Pdf (460.67 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 61, Citation

We address the problem of mapping a set of processes which communicate in a distributed platform. The Time Triggered Architecture (TTA) proposed by us. This communication mechanism of a distributed platform offers a direct map

Keywords: MoCC, distributed systems, loosely time-triggered, real-time

9 Perceptually-supported image editing of text and graphics

 Eric Saund, David Fleet, Daniel Lamer, James Mahoney
November 2003 **UIST '03**: Proceedings of the 16th annual ACM symposium on user interface design and technology

Publisher: ACM  [Request Permissions](#)

Full text available:  Mov (3:16 MIN),  Pdf (1.42 MB),  Wmv (3:16 MIN) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 96, Citation

This paper presents a novel image editing program emphasizing easy selection of material found in informal, casual documents such as sketches, handwritten images, screen snapshots, and scanned documents. The program, ...

Keywords: WYPIWYG, bitmap image, foreground/background, lattice g document editing, rough document, scanscribe

10 Applying the RMON standard to switched environments

Nathan Kalowski

November 1997 **International Journal of Network Management**, Volume


Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (431.41 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 4, Citation C

As today's enterprise networks become increasingly complex, so Netwoi increasing need for effective tools to monitor and analyse them. This ar standard, and the groups it defines, from a practical perspective. ..

11 Supporting the design of network-spanning applications

 Stefan Rennick Egglestone, Andy Boucher, Tom Rodden, Andy Law, Jan Hu April 2009 **CHI EA '09: Proceedings of the 27th international conference e Human factors in computing systems**

Publisher: ACM 


Full text available:  Pdf (1.03 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 30, Citatio

In this case study, we describe our use of ECT, a tool intended to simpli development of network-spanning applications. We have used ECT thro year collaboration, which has involved individuals with expertise ...

Keywords: component-orientation., interaction design, network-spann

12 CONMan: a step towards network manageability

 Hitesh Ballani, Paul Francis

August 2007 **SIGCOMM '07: Proceedings of the 2007 conference on Applic architectures, and protocols for computer communications**

Publisher: ACM 

Full text available:  Pdf (354.40 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 148, Citatic


Networks are hard to manage and in spite of all the so called holistic m are getting worse. We argue that the difficulty of network management a fundamental flaw in the existing architecture: protocols ...

Keywords: abstraction, configuration, management

Also published in:


October 2007 **SIGCOMM Computer Communication Review** Volume 37 Issue

13 SmartBridge: a scalable bridge architecture

 Thomas L. Rodeheffer, Chandramohan A. Thekkath, Darrell C. Anderson

August 2000 **SIGCOMM '00: Proceedings of the conference on Applications**

Architectures, and Protocols for Computer Communication


Publisher: ACM [Request Permissions](#)Full text available:  Pdf (202.23 KB)Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 71, Citation

As the number of hosts attached to a network increases beyond what a local area network (LAN), forwarding packets between hosts on different networks becomes a problem. Two common solutions to the forwarding problem are IP ...

Also published in:

October 2000 **SIGCOMM Computer Communication Review** Volume 30 Issue14 [Emergence of communication in competitive multi-agent systems: a new approach](#)

Michelle McPartland, Stefano Nolfi, Hussein A. Abbass

June 2005 **GECCO '05: Proceedings of the 2005 conference on Genetic and Evolutionary Computation Conference****Publisher:** ACMFull text available:  Pdf (243.75 KB)Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 48, Citation

In this paper we investigate the emergence of communication in competitive multi-agent systems. A competitive environment is created with two teams of agents competing to explore a large area. The quickest team to explore the largest area wins. One team ...

Keywords: adaptive behavior, artificial life, communication, evolutionary computation, multi-agent systems

15 [VXA: a virtual architecture for durable compressed archives](#)


Bryan Ford

December 2005 **FAST'05: Proceedings of the 4th conference on USENIX File System and Storage Technologies - Volume 4**, Volume 4**Publisher:** USENIX AssociationAdditional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

Data compression algorithms change frequently, and obsolete decoders and operating systems, threatening the long-term usability of those algorithms. Re-encoding content into new formats is cumbersome and error-prone.

16 [Computational photography](#)**Video files associated with this course are available from the citation**

Ramesh Raskar, Jack Tumblin

August 2007 **SIGGRAPH '07: SIGGRAPH 2007 courses****Publisher:** ACM [Request Permissions](#)Full text available:  Pdf (21.56 MB)Additional Information: [full citation](#), [appendices](#)**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 314, Citation

17


**High-bandwidth data dissemination for large-scale distributed systems**

Dejan Kostić, Alex C. Snoeren, Amin Vahdat, Ryan Braud, Charles Killian, J

Albrecht, Adolfo Rodriguez, Erik Vandekieft

February 2008 **Transactions on Computer Systems (TOCS)**, Volume 26 Iss

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.23 MB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 390, Citatio

This article focuses on the multireceiver data dissemination problem. In the basis for efficiently supporting such distribution. More recently, over to support point-to-multipoint communication. Both ...


Keyw ords: Bandwidth, overlays, peer-to-peer

18 Implementation and evaluation of a QoS-capable cluster-based IP rc

Prashant Pradhan, Tzi-cker Chiueh

November 2002 **Supercomputing '02: Proceedings of the 2002 ACM/IEEE Supercomputing**

Publisher: IEEE Computer Society Press


Full text available:  Pdf (215.68 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation


A major challenge in Internet edge router design is to support both high performance and versatile and efficient packet processing capabilities. T project is that a cluster of PCs connected by a high speed ...

19 Analysis of dynamic power management on multi-core processors

 W. Lloyd Bircher, Lizzy K. John

June 2008 **ICS '08: Proceedings of the 22nd annual international conferen**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (765.64 KB)


Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 312, Citatio

Power management of multi-core processors is extremely important bec power/energy savings when all cores are not used. OS directed power n ACPI (Advanced Power and Configurations Interface) specifications is th


Keywords: ACPI, multi-core, operating system, performance, power m

20 Leo: a system for cost effective 3D shaded graphics

 Michael F. Deering, Scott R. Nelson

September 1993 **SIGGRAPH '93: Proceedings of the 20th annual conferenc and interactive techniques**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (241.27 KB)





Additional Information: [full citation](#), [references](#),

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 28, Citation

Keyw ords: 3D graphics hardware, antialiased lines, floating-point micr shading, parallel graphics algorithms, rendering

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